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Researchers Take Up Environmental Challenge at Hanford

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#	Paper	IF	Citations
26	Materials Science of Radioactive Waste Forms. <i>MRS Bulletin</i> , 1994 , 19, 16-19	3.2	9
25	Radiation effects in ceramics. <i>Journal of Nuclear Materials</i> , 1994 , 216, 291-321	3.3	271
24	Analytically speaking. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1994 , 187, 169-173	1.5	
23	Radiation effects in nuclear waste forms for high-level radioactive waste. <i>Progress in Nuclear Energy</i> , 1995 , 29, 63-127	2.3	495
22	Fluoride binding to humic acid. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1995 , 201, 135-141	1.5	8
21	SOLVENT EXTRACTION OF PERTECHNETATE AND PERRHENATE IONS FROM NITRATE-RICH ACIDIC AND ALKALINE AQUEOUS SOLUTIONS. <i>Solvent Extraction and Ion Exchange</i> , 1996 , 14, 401-416	2.5	29
20	Destruction of carbon tetrachloride in a dielectric barrier/packed-bed corona reactor. <i>Journal of Applied Physics</i> , 1996 , 80, 4877-4886	2.5	56
19	Polymer-Supported Reagents: Application to Separation Science. <i>Industrial & Engineering Chemistry Research</i> , 1996 , 35, 635-644	3.9	78
18	Radiation Effects in Glasses Used for Immobilization of High-level Waste and Plutonium Disposition. <i>Journal of Materials Research</i> , 1997 , 12, 1948-1978	2.5	323
17	Cs+ Ion Exchange Kinetics in Complex Electrolyte Solutions Using Hydrous Crystalline Silicotitanates. <i>Industrial & Engineering Chemistry Research</i> , 1997 , 36, 5377-5383	3.9	27
16	Performance Evaluation of a Thermal Desorption/Gas Chromatographic/ Mass Spectrometric Method for the Characterization of Waste Tank Headspace Samples. <i>Environmental Science & Technology</i> , 1997 , 31, 853-859	10.3	14
15	Novel calibration technique for headspace analysis of semivolatile compounds. <i>Journal of Chromatography A</i> , 1998 , 793, 397-402	4.5	1
14	Radiation effects in crystalline ceramics for the immobilization of high-level nuclear waste and plutonium. <i>Journal of Materials Research</i> , 1998 , 13, 1434-1484	2.5	758
13	Identification of an extracellular agent [correction of catalyst] of carbon tetrachloride dehalogenation from <i>Pseudomonas stutzeri</i> strain KC as pyridine-2, 6-bis(thiocarboxylate). <i>Biochemical and Biophysical Research Communications</i> , 1999 , 261, 562-6	3.4	59
12	Electrical Conductivity and Structural Properties of Cesium Iron Phosphate Glasses: A Potential Host for Vitrifying Nuclear Waste. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 663, 1		8
11	Immobilization of CsCl and SrF ₂ in iron phosphate glass. <i>Waste Management</i> , 2000 , 20, 271-278	8.6	68
10	Zeolite Parageneses in the North Atlantic Igneous Province: Implications for Geotectonics and Groundwater Quality of Basaltic Crust. <i>International Geology Review</i> , 2000 , 42, 15-44	2.3	41

9	Integrated Experimental and Computational Methods for Structure Determination and Characterization of a New, Highly Stable Cesium Silicotitanate Phase, Cs ₂ TiSi ₆ O ₁₅ (SNL-A). <i>Chemistry of Materials</i> , 2000 , 12, 3449-3458	9.6	34
8	Cobalt bis(dicarbollide) ions with covalently bonded CMPO groups as selective extraction agents for lanthanide and actinide cations from highly acidic nuclear waste solutions. <i>New Journal of Chemistry</i> , 2002 , 26, 1519-1527	3.6	97
7	Synthesis of functionalized cobaltacarboranes based on the closo-[(1,2-C ₂ B ₉ H ₁₁) ₂ -3,3'-Co] ion bearing polydentate ligands for separation of M ³⁺ cations from nuclear waste solutions. Electrochemical and liquid-liquid extraction study of selective transfer of M ³⁺ metal cations to an organic phase. Molecular structure of the closo-[(8-(2-CH ₃ O ₂ C ₆ H ₄ 2O)-(CH ₂ CH ₂ O) ₂ -1,2-C ₂ B ₉ H ₁₀)-(1,2,2'-C ₂ B ₉ H ₁₁)-3,3'-Co]Na determined by X-ray diffraction analysis. <i>Polyhedron</i> , 2002 , 21, 975-986	2.7	61
6	Biology of <i>Pseudomonas stutzeri</i> . <i>Microbiology and Molecular Biology Reviews</i> , 2006 , 70, 510-47	13.2	384
5	Predicting from first principles the chemical evolution of crystalline compounds due to radioactive decay: The case of the transformation of CsCl to BaCl. <i>Physical Review B</i> , 2009 , 79,	3.3	24
4	The Study of Cooperation Solidification of Cs based on ZSM-5 Zeolite. <i>Energy Procedia</i> , 2013 , 39, 434-442.	3	7
3	Chemical Studies of Carbon Tetrachloride Transformation by <i>Pseudomonas stutzeri</i> Strain KC. 1999 , 1-11		4
2	Immobilization of High-Level Radioactive Sludges in Iron Phosphate Glass. 1998 , 379-392		5
1	Optimization Under Uncertainty. <i>Springer Optimization and Its Applications</i> , 2020 , 151-215	0.4	1